



**UNITED STATES DEPARTMENT OF COMMERCE**  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/807,687	04/16/01	ALBERTSEN	K PHD 99.105US

MMC2/1024  
PHILIPS ELECTRONICS NORTH AMERICA CORP  
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EXAMINER

HA, N

ART UNIT PAPER NUMBER

2831

DATE MAILED: 10/24/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.

09/807,687

Applicant(s)

Aachen et al

Examiner

Nguyen Ha

Art Unit

2831



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on Apr 16, 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☒ All b) ☐ Some\* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892) 18) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 19) ☐ Notice of Informal Patent Application (PTO-152)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_ 20) ☐ Other: \_\_\_\_\_

Art Unit: 2831

## DETAILED ACTION

### *Specification*

1. Applicant is reminded of the proper content of an abstract of the disclosure.

A patent abstract is a concise statement of the technical disclosure of the patent and should include that which is new in the art to which the invention pertains. If the patent is of a basic nature, the entire technical disclosure may be new in the art, and the abstract should be directed to the entire disclosure. If the patent is in the nature of an improvement in an old apparatus, process, product, or composition, the abstract should include the technical disclosure of the improvement. In certain patents, particularly those for compounds and compositions, wherein the process for making and/or the use thereof are not obvious, the abstract should set forth a process for making and/or use thereof. If the new technical disclosure involves modifications or alternatives, the abstract should mention by way of example the preferred modification or alternative.

The abstract should not refer to purported merits or speculative applications of the invention and should not compare the invention with the prior art.

Where applicable, the abstract should include the following:

- (1) if a machine or apparatus, its organization and operation;
- (2) if an article, its method of making;
- (3) if a chemical compound, its identity and use;
- (4) if a mixture, its ingredients;
- (5) if a process, the steps.

Extensive mechanical and design details of apparatus should not be given.

2. The abstract of the disclosure is objected to because on page 9, line 2, "comprises" is legal phraseology.
3. Correction is required. See MPEP § 608.01(b).

Art Unit: 2831

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Hansen et al (5,889,647).

Regarding claim 1, Hansen et al discloses an electronic component shown in figure 1 with a dielectric (1) and at least one electrode (2) characterized in that the dielectric comprises a composite consisting of a dielectric ceramic material (column 3 line 32) and an organic polymer (column 4 lines 25-26).

Regarding claims 2-3, Hansen et al discloses an electronic component wherein the organic polymer comprises a polyethylene (column 4 line 32). It is inherently known that the polyethylene organic is insoluble in water.

Regarding claim 4, Hansen et al discloses an electronic component wherein the dielectric ceramic material has a low temperature coefficient (column 2 lines 24-30).

Regarding claim 5, Hansen et al discloses an electronic component wherein the electrodes comprise Ag, Au, Cu, (column 4 lines 2-4).

Art Unit: 2831

Regarding claim 6, Hansen et al discloses an electronic component wherein the electronic component is chosen from the group comprising capacitor (column 3 lines 29-40)..

Regarding claims 7-10, a method of manufacturing an electronic component are necessitated by the device structure as it is disclosed by Hansen et al with a dielectric (1) and at least two electrodes (2), which method is characterized in that the dielectric ceramic material and a monomer of a polymer are mixed together, the mass obtained is formed, the monomer is partly or completely polymerized and the electrodes are provided.

Regarding claim 11, Hansen et al discloses a dielectric ceramic component characterized in that it comprises a composite of a dielectric ceramic material and an organic polymer (column 4 lines 9-16).

6. Claim 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Hirai et al (5,448,209).

Regarding claim 12, Hirai et al discloses a dielectric filter with an electronic component which comprises a dielectric (10) and at least two electrodes (20,24), characterized in that the dielectric comprises a composite of a dielectric ceramic material (column 8 lines 3-11) and an organic polymer (column 8 lines 20-22).

#### **Citation of Relevant Prior Art**

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Lucas discloses a capacitive laminate.

Art Unit: 2831

- b. Murayama et al discloses a thin film capacitor and apparatus for manufacturing the same.
- c. Kohara et al discloses a flexible thin film capacitor having an adhesive film.
- d. Yaniger discloses an electronic device fabrication on non-conductive polymer substrate.


### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen Ha whose telephone number is (703)-308-6023. The examiner can

Any attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard , can be reached on (703) 308-3682. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-0956.

NH

10/9/2001

  
DEAN A. REICHARD  
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